

1.19912-66

ACC NR: AT5028843

8

The minimum error dispersion at time  $t$  is derived as

$$D_x^*(t) = R_{n,n}(t, t) - \int_0^t W(t, \tau_1) d\tau_1 \int_0^t W(t, \tau_2) [R_{n,n}(\tau_1, \tau_2) + R_{n,n}(\tau_2, \tau_1)] d\tau_2$$

The importance of criticality of such a system arises because of possible deviations of either the inputs or of the system characteristics from those used in the synthesizing process. The performance of a real system in a real environment may be compared with the ideal system in an ideal environment through a coefficient

$$\alpha = \frac{D_x^* - D_x^o}{D_x^*}$$

where

$$D_x^o(t) = R_{n,n}^o(t, t) + \int_0^t W(t, \tau_1) d\tau_1 \int_0^t W(t, \tau_2) [R_{n,n}^o(\tau_1, \tau_2) + R_{n,n}^o(\tau_2, \tau_1)] d\tau_2 - 2 \int_0^t W(t, \tau_1) R_{n,n}^o(t, \tau_1) d\tau_1$$

or a real system in a real environment may be compared with a system which is optimal for the real environment (operating in the real environment) through a coefficient

$$\beta = \frac{D_x^* - D_x^{**}}{D_x^*} (> 0)$$

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L 13912-66

ACC NR: AT5028843

where

$$D_x^*(t) = R_{x,x}^*(t, t) - \int_0^t W^*(t, \tau_1) d\tau_1 \int_0^t W^*(t, \tau_2) [R_{x,x}^*(\tau_1, \tau_2) + R_{x,x}^*(\tau_2, \tau_1)] d\tau_2,$$

To solve the problem of synthesizing the dynamic characteristics, either the minimax method of K. Khelstren (Statisticheskaya teoriya obnaruzheniya signalov. M., Mashgiz, 1963, s. 426) or the averaging method over all possible deviations of the system characteristics and inputs may be used. The former method is normally not practical, while the latter yields equations for the averaged characteristics of the form

$$\int_0^t W(t, \tau_2) [\bar{R}_{x,x}(\tau_1, \tau_2) + \bar{R}_{x,x}(\tau_2, \tau_1)] d\tau_2 = \bar{R}_{x,x}(t, \tau_1),$$

where

$$\bar{R}_{x,x}(\tau_1, \tau_2) = M^* [R_{x,x}^*(\tau_1, \tau_2)]; \quad R_{x,x}(\tau_1, \tau_2) = M^* [R_{x,x}^*(\tau_1, \tau_2)],$$

$$\bar{D}_x(t) = \bar{R}_{x,x}(t, t) - \int_0^t W(t, \tau_1) d\tau_1 \int_0^t W(t, \tau_2) [\bar{R}_{x,x}(\tau_1, \tau_2) + \bar{R}_{x,x}(\tau_2, \tau_1)] d\tau_2,$$

and

$$\bar{D}_x(t) = \bar{R}_{x,x}(t, t) - M^* \left\{ \int_0^t W^*(t, \tau_1) d\tau_1 \int_0^t W^*(t, \tau_2) [R_{x,x}^*(\tau_1, \tau_2) + R_{x,x}^*(\tau_2, \tau_1)] d\tau_2 \right\}.$$

An example is presented to demonstrate the use of all the above techniques. Orig. art. has: 24 formulas and 2 figures.

Card 4/4

SUB CODE: 13/ SUBM DATE: none/ SOV REF: 003

CHEN, H., ing.

Potato viruses and how to fight them. Natura Biologie 16  
1964, 1-10, 1-10, 1-10, 1-10.

1. I.C.C.A., Bucharest.

Author : [illegible]

1-5

REBiol., No. 7/ 1958, No. 0711.

Author : [illegible]

Title : [illegible]

ORIG. PUB. : [illegible], 1958, (, No.),  
31-37

ABSTRACT : Description of the principal methods of  
study of the root system of fruit trees in the USSR:  
method of xerolite (xylite), observation of "Tree-mineralization"  
in [illegible], and the stationary  
method of investigation of the root system of fruit trees  
by means of an [illegible] section: it filled with a glass, used  
in [illegible] and [illegible]. -- [illegible].

CARD: 1/1

28

ROMANIA

CHENEA, Natalia, Eng of the ICCA [unidentified], Bucharest.

"The Adaptation of the Botrytis cinerea Pers. Fungus to Some Fungicides."

Bucharest, Natura. Seria Biologie, Vol 15, No 4, Jul-Aug 63, pp 79-82.

Abstract [Author's English summary modified]: Reports on the laboratory adaptation of the fungus to Thiovite and Orthocide 50. Consecutive re-inseminations were made on media with increasing fungicide concentrations. It was not possible to obtain adaptation with Thiovite because of its weak fungicidal activity; with Orthocide 50, however, the authors obtained consecutive adaptation manifested as 100 percent faster growth of the cultures grown for a longer period on media containing the fungicide.

Includes 1 graph, 1 table and 2 references, of which 1 Russian and 1 English-language.

1/1

IONESCU-MUSCEL, I., prof. ing.; KEIMER, I., ing.; COTIGARU, B., ing.;  
RUSANOVSKI, Maria, ing.; GHENCEA, M., ing.; COSTENCIUC, N., ing.;  
GHERSIN, B., ing.; MATEI, Ana, ing.; IONESCU-MUSCEL, C., ing.;  
NACA, M., ing.

Contributions to the problem of wool washing under optimum  
temperature and pH conditions. Ind text Rum 13 no.5:197-203  
My '62.

1. Institutul de stiinte economice V.I. Lenin (for Ionescu-  
Muscel, I., Kelmer, Cotigaru). 2. Laboratorul central Ministerul  
Industriei Usoare (for Rusanovschi, Ghencea). 2. Fabrica Textila  
Grivita (for Costenciuc, Ghersein). 4. Ministerul Industriei  
Petroliului si Chimiei (for Matei). 5. Institutul de Oncologie  
(for Ionescu-Muscel, C.). 6. Fabrica Electrotehnica (for Nacu).

CHETAN, N.

CHETAN, N. Research on complex compounds containing aromatic amines.  
1. Cadmium dinuclear complex compounds of the dichlorate series.  
1983, Vol. 3 1985 BULGARIA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 1--April 1957

CHERNOS, V.I.; GHENDON, Yu.Z.

Reactivation between variola, vaccinia and ectromelia viruses.  
Acta virol. 7 no.3:282-283 My '63.

1. The Scientific Research Institute of Viral Preparations, Moscow,  
U.S.S.R.

(VACCINIA VIRUS) (ECTROMELLA VIRUS) (SMALLPOX VIRUS)



GHENDON, G.Z.; GENKINA, F.B.; MILUSHIN, V.N.; MUCHNIK, L.S.

Comparative study of methods of evaluating the activity of  
smallpox vaccine. J. hyg. epidem. (Praha) 8 no.3:364-374 '64

1. Institute of Virus Preparations, Moscow.

GHENDON, N. Z.

On the ability of certain viruses to block the effect of interferon. Acta virol. (Praga) [Eng.] 9 no.2:186-187 Mar'65.

1. The Moscow Scientific Research Institute of Viral Preparation, Moscow, U.S.S.R.

GHENEA, C.; GHENEA, A.

Some geologic observations on the presence of Pontian  
between Turnu Severin and Datoti. Dari seama sed 46:  
199-205 '58/59 [publ. '62].

GHENEA, C.; GHENEA, A.

Some geologic observations on the presence of Pontian  
between Turnu Severin and Batoli. Dari seama sed 46:  
199-205 '58/59 [publ. '62].

GHENEA, C.; GHENEA, Ana

Note on the presence of Pontic fauna on the Moldavian Plateau.  
Dati seama sed 49 pt.1:109-112 '61-'62 [publ. '64].

1. Submitted February 23, 1962.

LIFÉANU, E.; GUINER, C.

Hydrogeological and hydrochemical relations between the phreatic and lacustrine waters in the Eastern Rumanian Plain. Studii cerc geol 7 no.2:275-317 '62.

1. Comunicare prezentata de academician G. Murgescu.

GHENEA, G.; GHENEA, Ana

Note on the presence of Pontic fauna on the Moldavian Plateau.  
Darl seama sed 49 pt.1:109-112 '61-'62 [publ. '64].

1. Submitted February 23, 1962.

ILIESCU, Violeta; GHENEA, C.

Palynological and geological observations on some loess  
deposits in the Oltenia Plain. Dacia seana sed 49 pt.1:  
119-127 '61-'62 [publ. '64].

1. Submitted April 20, 1962.



NAFTA, I.; ZILISTEANU, Eugenia; NICOLESCO, I. Th.; GROBNICO, Mina;  
GRETESCO, Lăgia; POPESCO, Ana; SATMARI, C.; Collaborateur  
technique: GHENESCO, Ecaterina

Virological and serological investigations made during the  
influenza epidemic of February-March 1962. Arch. Roum. path.  
exp. microbiol. 22 no.1:13-27 Mr '63.

1. Travail de l'Institut "Dr. I. Cantacuzino" - Service de  
la Grippe.

(INFLUENZA) (EPIDEMIOLOGY)  
(INFLUENZA VIRUSES)  
(HEMAGGLUTINATION INHIBITION TESTS)

NICOULESCO, I.; GHETESCO, Lilia; ZILISTEANU, Eugenia; NAFTA, I. Collaboration technique: GHETESCO, Ecaterina

Biological study of enzyme and structural changes in type B influenza viruses. Arch. roum. path. exp. microbiol. 23 no.3: 727-742 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Laboratoire de la Grippe, Bucarest.

ZILISTEANU, Eugenia, dr.; CRETESCU, Ligia, dr.; NAFTA, I., dr.; NICULESCU, I., dr.;  
PACOVITA, G., dr.; Colaborator tehnic: GHENESCU, Ecaterina

Frequency of antibodies against parainfluenzal viruses in the  
Romanian People's Republic. Microbiologia (Bucur.) 10 no.4:  
349-354. 21-Ag '65.

1. Lucrare efectuata in Institutul "Dr. I. Cantacuzino".

GHENGHEA, Petru, ing.; ANDJULOVICI, Al., ing.

Radiant heating of platforms and waiting rooms by gas. Rev  
cailor fer 11 no.8:447-452 Ag '63.

STOIA, I., dr., doctor in stiinte medicale; RIMNEANTU, P., dr.; GHENOIU, O.  
dr.; PETCU, R., dr.

Factors causing recurrences in chronic evolutive polyarthritis.  
Med. intern. (Bucur.) 17 no.1:61-64 Ja '66

1. Lucrare efectuata in Centrul metodologic de reumatologie,  
Bucuresti (director: dr. I. Stoia).

RUMANIA / Cultivated Plants. Ornamental Plants.

M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25144

Author : Ghenovici, A.; Popa, I.

Inst : Not given

Title : Additional Light on Horticulture

Orig Pub : Rev. gospod, agric. stat, 1958, No 1, 3-7

Abstract : No abstract given

Card 1/1

CHENOVICI, A.

Geographical aspects of agrarian economy in the Danube zone between  
Balta Greaca and Montistea Lake. p. 127

PROBLEME DE GEOGRAPHIE. (Academia Republicii Populare Romine. Institutul de  
Cercetari Geografice) Bucuresti, Romania. Vol. 6, 1959

Monthly list of East European Accessions (EEA) IC, Vol. 9, No. 2, Feb. 1960

Incl.

GHEOVICI, Alexandra

Geography of communication and transportation in the Banat region.  
Probleme geog 8:437-449 '61.



IORDAN, Ion; VELCEA, Ion; IANCU, Gh.; GHEORGHE, Alexandra

The economic map of Rumania. Natura Geografie 16 no. 1:3-7  
Ja-P '64.

OPREANU, I., prof.; CONSTANTINESCU, Dan.; GHENTU, Em., dr.

Contribution to the pathogenesis and therapy of coxosis. Med.  
intern., Bucur 12 no.9:1411-1418 S '60.  
(HIP, diseases)

OPREANU, I., prof.; CONSTANTINESCU, D., dr.; GHENTU, A., dr.

Contributions to the physical therapy of syndromes related to  
cervical spondylosis. Med. intern., Bucur 13 no.4:549-564 Ap '61.  
(SPINE diseases) (PHYSICAL THERAPY)

WOLFSHAUT, G.; DANILA-MUTER, Aneta; GHENTU, Em.; STROE, Emilia; TACHE,  
Elina; ZIEPSCH, Iulia.

On a case of mastopathy in the post-climacteric period. Stud.  
cercet. endocr. 15 no.6:579-582 '64.

OPREANU, I., prof.; CONSTANTINESCU, Dan, dr.; GHENTU, E., dr.

A new method of treatment of scapulo-humeral periarthritis by  
decontracting galvanization of the reflex zones. Med. intern.  
15 no.1:97-99 Ja '63.

1. Lucrare efectuata la Institutul de balneofizioterapie, Bucuresti.  
(SHOULDER ARTHROSES) (PERIARTHRTIS) (REFLEX)  
(CONTRACTURE) (ELECTROTHERAPY)

ACC NR:

AP7001970

SOURCE CODE: GE/0030/66/018/002/0511/0515

AUTHOR: Petrescu, P.; Gheordanescu, V.

ORG: Institute of Physics of the R. P. R. Academy, Bucharest

TITLE: Anisotropy of the photoemission from some colored alkali halides

SOURCE: Physica status solidi, v. 18, no. 2, 1966, 511-515

TOPIC TAGS: crystal anisotropy, alkali halide, alkali halide crystal, color center, photoemission, *ELECTRON EMISSION*

ABSTRACT: Proceeding from the fact that crystals of colored alkali halides after irradiation, exhibit an absorption dependent and the azimuth angle of the plane of vibration of the incident irradiation, an attempt is made to verify whether the electron emission of these dichroic crystals is also a function of this azimuth. The study shows that the dichrosim of the alkali halides is clearly reflected in the anisotropy of the photoemission stimulated by polarized light. The results obtained by a new experimental technique are discussed and compared with those obtained for anisotropic color centers by conventional optical methods. It is believed

Card 1/2

ACC NR: AP7001970

that the new method for the study of anisotropic color centers may provide some information on their orientation and symmetry and thus may help to verify the validity of the corresponding models. Orig. art. has: 5 figures. [Based on authors' abstract] [NT]

SUB CODE: 20/SUBM DATE: 11Aug66/OTH REF: 006/

Card 2/2

GHEORGHE, A.

The influence of knots on the quality of timber. p. 187.  
(Revista Padurilor, Vol. 71, No. 3, Mar. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EKAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.



GHEORGHE, Anghel, ing.

Adjustment of steering mechanism of cars. Rev transport  
10 no.12:540-546 D '63.

L 18639-63 EWT(d)/BDS AFFTC/ASD/APGC/IJP(C) Pg-4/Pk-4/P1-4/Po-4/Pq-4  
 ACCESSION NR: AP3001811 R/0011/63/007/002/0087/0092 BC 74

AUTHOR: Gheorghe, Ardelean (Major, Engineer, Candidate in Technical Sciences)

TITLE: The frequency response of non-linear automatically regulated systems 9

SOURCE: Automatica si electronica, v. 7, no. 2, 1963, 87-92

TOPIC TAGS: Frequency response, non-linear systems, automatic control, graphical-analytical method

ABSTRACT: The author develops a graphical-analytical method for the study of non-linear and non-inertial systems containing one non-linear element. Starting with a closed system containing one linear element of response  $Y(s)$  and one non-linear element of response  $f(A)$  he derives the relation:

$$Kf(A) = -Aa(w) \pm \sqrt{b^2(w) \left\{ \left[ \frac{a^2(w)}{b^2(w)} + 1 \right] I^2 - A^2 \right\}} \quad (8)$$

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L 18639-63

ACCESSION NR: AP3001814

where  $Y(j\omega) = \frac{1}{a(\omega) + jb(\omega)}$

I = input signal

E = output signal

A = I - E

For 2 examples he plots the right and left part of (8) deriving thus A for different values of I, and the frequency  $\omega$ . Orig. art. has 17 figures, 19 equations.

ASSOCIATION: none

SUBMITTED: CO

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: MM

NO REF SOV: CO4

OTHER: 000

Card 2/2

CITU, D.; GHEORGHE, A.

Development of stockbreeding on the collective farms in  
the Fetești District, Bucharest region. Probleme econ  
16 no. 5: 115-122 My '63.

ANDREICOVICI, Gh., ing.; GHEORGHE, A.

Methods for obtaining microscopic sections of textile  
fibers of 10-15 microns thick and their photographing.  
Ind text Rum no. 3: 151-156 Mr '64.

GHIULAI, M., ing.; GHEORGHE, D., ing.

Determining the elements of an optimal system of technical maintenance  
for motorcars. Rev transport 9 no.10:413-420 0 '62.

PASCALINE, Gh., ing.; POPOVICI, Ana, ing.; TOMITRESCU, Doina, chimist; ZAREA,  
Silvia, ing.; GEORGHE, Elena, chimist

Research and results in the field of synthesis and utilization  
of flotation reagents. Rev min 15 no.11:592-595 N 64.

LITEANU, Candin; CRISAN, Ion; GHEORGHE, Florica

Complexometric determination of molybdenum by retitration  
of complexon excess with  $\text{FeCl}_3$ . Studia Univ B-B S. Chem  
8 no. 2:107-111 '63.



DIMITRIU, N., ing.; ROMUL, Radu, ing.; PANTELLI, Tudor, ing.; GEORGESCU, V., ing.; POTOCEANU, I., ing.; RADULESCU, M.; GHEORGHE, Gh.; ORBOK, Geza

Letters to the editor. Probleme econ 15 no.10:147-151 0 '62.

1. Director, Trustul regional de constructii, Ploiesti (for Dimitriu).
2. Director, Trustul regional de constructii locale, Brasov (for Romul).
3. Director, Trustul regional de constructii, Iasi (for Pantelli).
4. Director, Trustul regional de constructii locale, Galati (for Georgescu).
5. Director general, Combinatul siderurgic, Resita (for Potoceanu).
6. Inginer sef, Resp. Inovatii, Intreprinderea Trainica, Pucioasa (for Radulescu).
7. Intreprinderea Trainica, Pucioasa (for Gheorghe).
8. Director, Fabrica de confectii Flacara, Cluj (for Orbok).

BOGZA, Mihai, prof. (Gimpina); POPESCU, O.; ALBESCU, I. (Fagaras); IONESCU-TIU, C.; STANGU, I.M., student (Bucuresti); DOBRESCU, C., prof. (Calarasi); GHEORGHE, G.M.

Exercises and problems proposed for grades 5-8. Gaz mat B 14  
no.11:685-687 N°63.

61500. 45 1.

~~YUGOSLAVIA~~ / Chemical Technology. Chemical Products and  
Their Applications. Food Industry. H-28

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 10094.

Author : Georgeho, V., Georgeho, I., Mandita, D.

Inst : Not given.

Inst : Not Given.  
Title : A Study of Hot Smoking Fish.

Orig. Pub: *Lavoratori Inst. cercatori aliment.*, 1958, 2, 197-206.

**Abstract:** Experiments were conducted on hot smoking of the whole fish of six species: Danube herring, horse-mackerel, ide, scad, bream, and roach. Optimum methods for smoking each species were determined. By a swift rise of the roasting temperature the general duration of smoking was decreased by 25%.

cap 1/2

I. 33712-66

ACC NR: AP6025148

SOURCE CODE: RU/0012/65/061/004/0523/0534

AUTHOR: Mares, E. (Doctor; Lieutenant general; Doctor of medical sciences); Sutcu, I. (Doctor; Colonel); Dancioloiu, Al. (Doctor; Major); Vaidanu, C. (Doctor; Lieutenant colonel); Gheorghe, Ioan (Doctor; Major); Mancas, O. (Doctor; Major)

ORG: none

TITLE: Our experience in the treatment of varicose ailments of the pelvis

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 523-534

TOPIC TAGS: disease therapeutics, disease incidence, circulatory system disease

ABSTRACT: A report on the authors' experience during 1952 to 1965 with 576 patients suffering from various clinical forms of varicose afflictions of the pelvis. The different forms of therapeutic approach used are discussed, the effectiveness of the different methods for the separate classes of ailments is compared, and some general conclusions with regard to the incidence and treatment of varicose ailments are presented. /JPRS: 33,500/

SUB CODE: 06 / SUBM DATE: 30Apr65 / ORIG REF: 008 / SOV REF: 003  
OTH REF: 005

Card 1/1

HUSTEA, Maria, dr.; DABIJA, Viorica, dr.; GHEORGHE, Ileana, dr.;  
IONESCU, E., dr.; IONESCU, Zenobia, dr.; LUNGU, Felicia, dr.;  
SALOMIN, Nadia, dr.; SAVIN, Valentina, dr.; STANESCU, I., dr.;  
STOICA, V., dr.; SERBAN, N., dr.; VISAN, Valeria, dr.

Our results in the treatment of complications of dental caries.  
Stomatologia (Bucur) 12 no.1:9-16 Ja-F'65.

1. Colectivul Serviciului de stomatologie al Spitalului uni-  
ficat de adulti, Constanta.

66 G-H-R-O-R-E-H-E

RUMANIA/Chemical Technology. Chemical Products and Their  
Application, Part 3. - Wood Pulp Industry, Hydro-  
lysis Industry.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72048.

Author : M. Gheorghe, J. Cornea, M. Ailincai.

Inst : "Inst. cercetari si experim. ind. lemn."

Title : Fine Charcoal Briqueting.

Orig Pub: An. Inst. cercetari si experim. ind. lemn., 1954, No 14,  
137-156.

Abstract: Results of laboratory experiments with briqueting  
charcoal mixed with wood tar and heating the bri-  
quets to 400 to 450° are presented.

Card : 1/1

76

GHEORGHE, M.

Additions to the influence of conditions under which glue solutions are prepared and preserved on the mechanical resistance of glued parts. p. 45.  
(INDUSTRIA LEXNULUI. RUMANIA. Vol. 5, no. 11, Nov. 1956.)

SO: Monthly List of East European Accessions (EEAL) L C, Vol. 6, no. 7, July 1957. Uncl.

: RUMELI.  
: Chemical Technology. Chemical Products of  
: Their Applications. Synthetic Polymers.  
: Vol. 10. 19. 1971. No. 02016

: Chepur, N.; Geras, I.

: Studies on the Crystallinity of Polyethylene  
: Diluted in the Manufacture of Urea-formaldehyde  
: Resins.

: Izv. Vses. Akad. Nauk, 1970, No. 11, 1970

: It has been found that the amorphous portions  
: of polyethylene of various kind are excellent  
: materials for filling used in the manufacture  
: of urea-formaldehyde resins. They may be used  
: in large quantities without detrimentally  
: affecting the strength of cured resins and  
: with the simultaneous cost reduction of produc-  
: ing. Saw dust and fine wood dust, sawdust,  
: or saw, plaster even at low concentrations

: elastics.

: 1/2

: 15



GHEORGHE, Marian; MUSCA, Berta; SZELL, Ion

From the experience of the front-rankers. Constr Buc 14 no.672:2 24  
N '62.

J

Country : ROMANIA  
Category: Soil Science Cultivation Improvement  
Erosion

Obs Jour: RZHB101, N. 14 1958, N. 63156

Author : Gheorghe, Mihail

Inst : -

Title : Measures Taken in the Control of Soil Erosion on  
Pasture Lands

Orig Pub: Probl. zootehn. si veterin., 1957, N. 3, 33-43.

Abstract: No abstract.

Card : 1/1

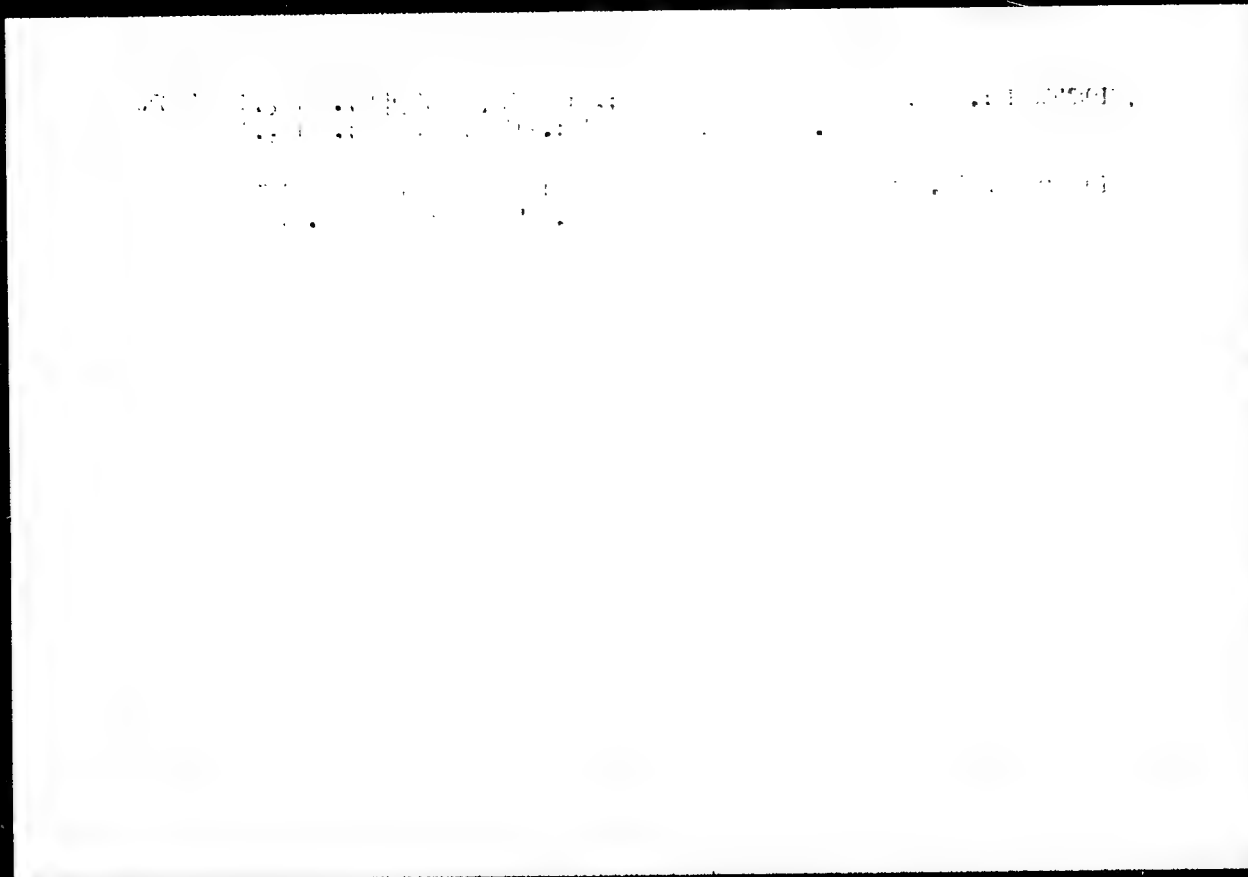
GHEORGHE, Mitko, Ing.

Calculation of loudspeaker units. St si Teh Buc 16 no.4:44-45 Ap '64.

GHEORGHE, M., ing.

"Influence of ionizing radiation on wood and its components"  
by A.S. Fridin. Reviewed by M. Gheorghe. Ibid. Journal 14  
no.6:232-238 Je '63.

"Radioisotopes in the wood technology" by I. Curasak, M. Lehty.  
Reviewed by M. Gheorghe. Ibid. 1:38-40



GHEORGHE, M., ing.; CONSTANTINESCU, V., chim.; SACHELARESCU, Florica,  
biolog.; CONSTANTINESCU, O., chim.; CATRINA, I., ing.

Using radioactive isotopes to determine the washability  
of fungicidal products from antiseptized wood materials. Ind  
lemului 15 no.6/7:215-219 Ia-dl '64.

1. Institute of Atomic Physics, Magurele (for Constantinescu, O.).



VINTILA, E., dr. inz.; GHEORGHE, M., inz.; COSTIN, N., inz.; LEHKY,  
Miroslav [translator]

Protection of steamed beech lumber by sodium pentachlorophenol  
in Rumania. Drevo 19 no.3: 98 - 99    Mar'64

1. Institute of Forestry Research, Bucharest.





1. ROMA, Italy; BUDAPESHT, Hungary; PAN, H.; also the collaboration of:  
KABOTSKI, E.; GHEORGHE, Maria; etc., etc.

Enterovirus viremia and homologous serological conversion  
concomitant with non-enteroviral syndromes. (preliminary  
note). Arch. Roum. path. exp. microbiol. 13 (4):101-104  
1964.

2. Institut "Dr. I. Cantacuzino", Section des enterovirus.  
(for Siboda, Balmerici-Jacint et al.) - Le Chaudier (Conte-  
plains No.1, Bucarest) for Pan. Submitted June 27, 1964.

6/11/68, N

RUMANIA / Farm Animals, Honey-Bees

Q-8

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7264

Author : N. Gheorghe

Inst : Not given

Title : The Banat Bee Is Becoming Acclimatized In  
Muschel-Ristya

Orig Pub: Apicultura, 1957, No 3, 32-33

Abstract: The Banat bee, which has been brought from the western part of the Hungarian low-lands into the pre-Carpathian region (altitude up to 600 meters) proved its worth when interbred with local bees. In Banat (a hilly region of Rumania and Yugoslavia), these bees are considered superior to the Carniolan and Italian species. In Muschel (Rumania) the Banat bees become stronger toward the winter season, and stand the cold

Card 1/2

39

RUMANIA

POPESCU, Gh., Lieutenant-Colonel, Medical Corps; POPA, Rodica; BENES, S., Lieutenant-Colonel, Medical Corps; and GHEORGHE, N., Lieutenant-Colonel, Medical Corps.

"Preliminary Study of Radioprotection of Mice with Nucleic Acids from Homologous Bone Marrow"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 409-414

Abstract: Study in mice administered DNA and RNA of homologous bone marrow intraperitoneally and irradiated with 700 r 10 or 30 minutes later. Such treatment sharply reduced the mortality and prolonged life in those mice that did succumb. Table, graph.

1/1

- 80 -

CAVULEA, O., Lieutenant-Colonel, Medical Veterinary Corps; GHEORGHE, N.; GASPAR, A.; PLESCA, I., Major, Medical Corps; BERGHEANU, S., Lieutenant-Colonel, Pharmacist; POPESCU, Gh., Lieutenant-Colonel, Medical Corps; and

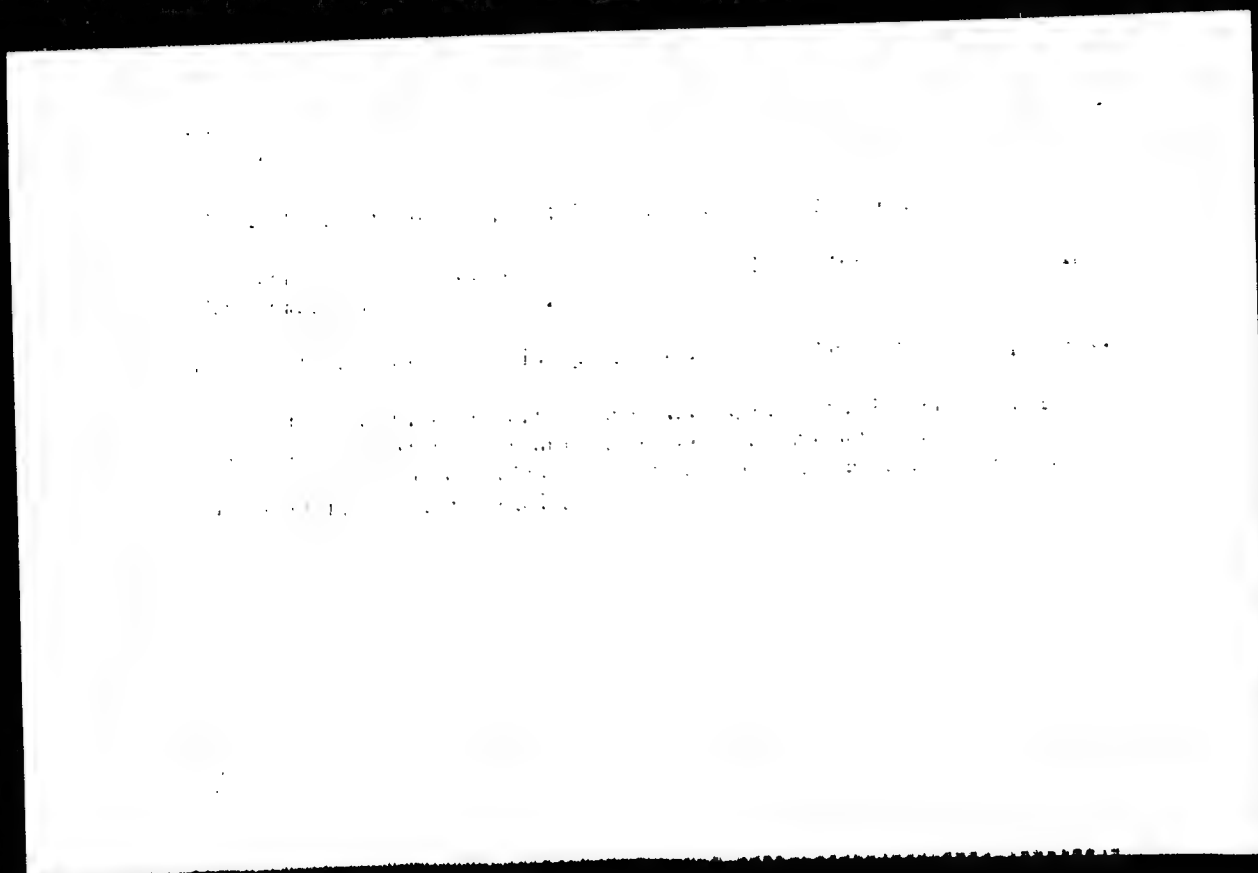
CHESNICK, L. J. 1951.

Equaternary containing nitrogen salts with  $\alpha$ -alkyl functions. I. Phenyl-acetyl derivatives. *Journal of Organic Chemistry*, Vol. 16, no. 1, 1-phenylacetyl derivatives of benzyl alcohol -dimethylamine, p. 365.

Academia Republici Populare Romane. *CHIMICA*. Bucuresti, Romania.  
Vol. 8, no. 4, apr. 1958.

Monthly list of East European Accessions (CEA) 22, Vol. 8, no. 7, July 1959.

Unc.



Spindon D. Church

5  
2 May

Curare-like bisquaternary ammonium salts with anionic functions. I. Bis(ammoniumacetyl) derivatives of *o*-, *m*- and *p*-phenylenediamine, benzidine and *o*-dianisidine. *J. Biol. Chem.* (1936) and *Frank J. Schell, Res. Chem., Acad. rep. papulaire* (Kaimasine 2), 817-23 (1957) (in German). Condensation of (m.p. given) bis(chloroacetyl)-*o*-phenylenediamine, 205-1°; bis(chloroacetyl)-*m*-phenylenediamine, 216-17°; bis(chloroacetyl)-*p*-phenylenediamine, above 360°; bis(chloroacetyl)benzidine, above 800°; and bis(chloroacetyl)-*o*-dianisidine, 219°, with the corresponding amine (no details given) gave the following (m.p. given): bis(1-piperidylacetyl)-*o*-phenylenediamine, 158-9°; *m*-isomer, 111-12°; *p*-isomer, 217-18°; bis(1-piperidylacetyl)benzidine, 214-16°; bis(1-piperidylacetyl)-*o*-dianisidine, 214°. Condensation with a tertiary amine or pyridine followed by quaternization with an alkyl halide gave (m.p. with decomposition): bis(trimethylammoniumacetyl)-*o*-phenylenediamine dichloride, 168-70°; *m*-isomer, 230-6°; *p*-isomer, 235-6°; bis(trimethylammoniumacetyl)benzidine dichloride, 228-00°; bis(trimethylammoniumacetyl)-*o*-dianisidine dichloride, 240-50°; bis(trimethylammoniumacetyl)-*o*-phenylenediamine dichloride, 264-8°; *m*-isomer, 222-4°; *p*-isomer 219-60°; bis(trimethylammoniumacetyl)benzidine dichloride, 243-4°; bis(trimethylammoniumacetyl)-*o*-dianisidine dichloride, 224-5°; bis(pyridiniumacetyl)-*o*-phenylenediamine dihydrochloride, 111-12° (without decomposition); *m*-isomer, above 360°; *p*-isomer, above 800°; bis(pyridiniumacetyl)benzidine dichloride, above 360°; bis(pyridiniumacetyl)-*o*-dianisidine dichloride, 193-200°; bis(1-methylpiperidiniumacetyl)-*o*-phenylenediamine dihydrochloride, 216-17° (dichloride, 163-5°); *m*-isomer dihydrochloride, 216-17° (dichloride, 212-13°); *p*-isomer dihydrochloride, 185-00° (dichloride, 245-6°); bis(1-methylpiperidiniumacetyl)benzidine dihydrochloride, 259-60° (dichloride, 260-1°); bis(1-methylpiperidiniumacetyl)-*o*-dianisidine dihydrochloride, 223-4° (dichloride, 215-17°); bis(1-ethylpiperidiniumacetyl)-*o*-phenylenediamine dihydrochloride, 193-8° (dichloride, 203-6°); *m*-isomer dihydrochloride, 130-5° (dichloride, 214-16°); *p*-isomer dihydrochloride, 228-9° (dichloride, 230-1°); bis(1-ethylpiperidiniumacetyl)benzidine dihydrochloride, 238-00° (dichloride, 200-1°); bis(1-ethylpiperidiniumacetyl)-*o*-dianisidine dihydrochloride, 216-8° (dichloride, 251-2°). Richard P. Riley

RULANIA / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 5495.

Author : Gheorgho, S., Schell, H.

Inst : Not given.

Title : Bis-Quaternary Salts of Ammonium with Functions of Amides and Possessing Curative Properties. I. Bis-Onium Acetyl Derivatives of o-, m-, and p-Phenylenediamine of Benzidine and of O-dianisidine.

(Orig Pub: Commun. Acad. RPR, 1958, 8, No 4, 335-370.

Abstract: For the purpose of establishing reasons for the inferior curative properties of the well known quaternary salts of ammonia having an amide group in their molecule, and having general formulas  $(CH_2)_2 \sqrt{N}HCO(CH_2)_2 N^+ R' R'' R''' X^- / 2$  and  $(CH_2)_2$

Card 1/6

10-26



ROMANIA / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34893.

Abstract:  $[CONH(CH_2)_2 N^+ R^1 R^{1'} R^{1''} X^-]_2$  an attempt was made in increasing their lipophylic properties by the introduction of 1,2, and 3 aromatic rings in between the quaternary nitrogen atoms. Substances of the following general formula were synthesized:  $R[NHCO(CH_2)_m N^+ R^1 R^{1'} R^{1''} X^-]_2$ , where R = phenylene or diphenylene, m = 1 or 2;  $R^1 = R^{1'} = R^{1''} = CH_3$  or  $C_2H_5$ ;  $NR^1 R^{1'}$  = piperidyl,  $R^{1''} = CH_3$  or  $C_2H_5$ ,  $NR^1 R^{1'} R^{1''}$  = pyridyl; X = I or Cl), from o-, m-, and n-phenylenediamino (I), from benzidine (II) and from o-dianisidine (III) respectively in which m = 1 and X = I or Cl. These substances were obtained by condensation of  $CH_3COCl$  with diamines carrying reactions via bis-

Card 2/6

RUMANIA / Organic Chemistry. Organic Synthesis.

G-2

Obs Jour: Ref Zhur-Khimiya, No 10, 1959, 34693.

Abstract: -m-I, 236-238 (decomp.); DC of bis-(triethylammonium acetyl)-n-I, 285-285 (decomp.); DC of bis-(triethylammoniumacetyl)-o-I, 254-256; DC of bis-(triethylammoniumacetyl)-m-I, 222-224; DC of bis-(triethylammoniumacetyl)-n-I, 249-250; DC of bis-(pyridiniumacetyl)-o-I, 111-112; DC of bis-(pyridiniumacetyl)-m-I, > 360; DC of bis-(pyridiniumacetyl)-n-I, > 360; diiodide (DI) of bis-(1-methylpiperidiniumacetyl)-o-I, 216-217 (dec.); DI of bis-(1-methylpiperidiniumacetyl)-m-I, 155-160 (decomp.); DI of bis-(1-methylpiperidiniumacetyl)-n-I, 237-238 (decomp.); DC of bis-(1-methylpiperidiniumacetyl)-o-I, 163-165 (decomp.); DC of bis-(1-methylpiperidiniumacetyl)-m-I, 212-213 (decomp.); DC of bis-(1-methylpiperidiniumacetyl)-n-I, 245-246 (decomp.); DI of bis-(ethyl-

Card 4/6

RUMANIA / Organic Chemistry. Organic Synthesis.

G-2

GEORGHE, Tudor, correspondent

A school problem. Constr Buc 16 no.771:2 17 0 '64.

1. The first

2. The second

GHEORGHE, V.

The Plan of the Technical Organizational Measures was put  
into operation. Constr Buc 16 no.769:4 3 Oct '64

GEORGE, V.

Preparations for winter. Constr Bu 16 11 1964 11 11 1964.

GHEORGHE, V.; VOICU, Gh.

Trade unions organize. Constr Buc 16 no.776:4 21 N '64.

GHEORGHE, V., GIURGEA, Sabin; BENTE, Stefan

Trade unions organize. Constr Buc 16 no. 77744 28 N '64.

1. Chairman of the Trade-Union Committee, Enterprises for Installations, Bucharest, M.I.P.C. (for Giurgea).
2. Chairman of the Trade-Union Committee, I.D.P.B., General Department of Construction and Assembly, Bucharest (for Bente).



GEORGE, ".

In 5' m., and of good quality concrete. Concrete has 30  
no. 7' m. 12. '64.

GEORGE, V.

Labor protection. Constr Buc 17 no.790:2 27 p '65.

GEORGE, C. J. (1918-1981).

1918-1981. 1918-1981. 1918-1981.  
1918-1981.



GEORGE, J.

From the activity of certain commissions on problems      at Pac  
17 n. 190s.2 19 My 1965.

From the activity of committee on problems      Ibid 12

RUMANIA / Chemical Technology. Chemical Products and N-28  
Their Applications. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 10084.

Author : Gheorghe, V., Gheorghe, I., Mandita, D.  
Inst : Not given.  
Title : A Study of Hot Smoking Fish.

Orig Pub: Lucrarile Inst. cercetari aliment., 1958, 2,  
197-206.

Abstract: Experiments were conducted on hot smoking of the  
whole fish of six species: Danube herring, horse-  
mackerel, ide, scad, bream, and roach. Optimum  
methods for smoking each species were determined.  
By a swift rise of the roasting temperature the  
general duration of smoking was decreased by 25%.

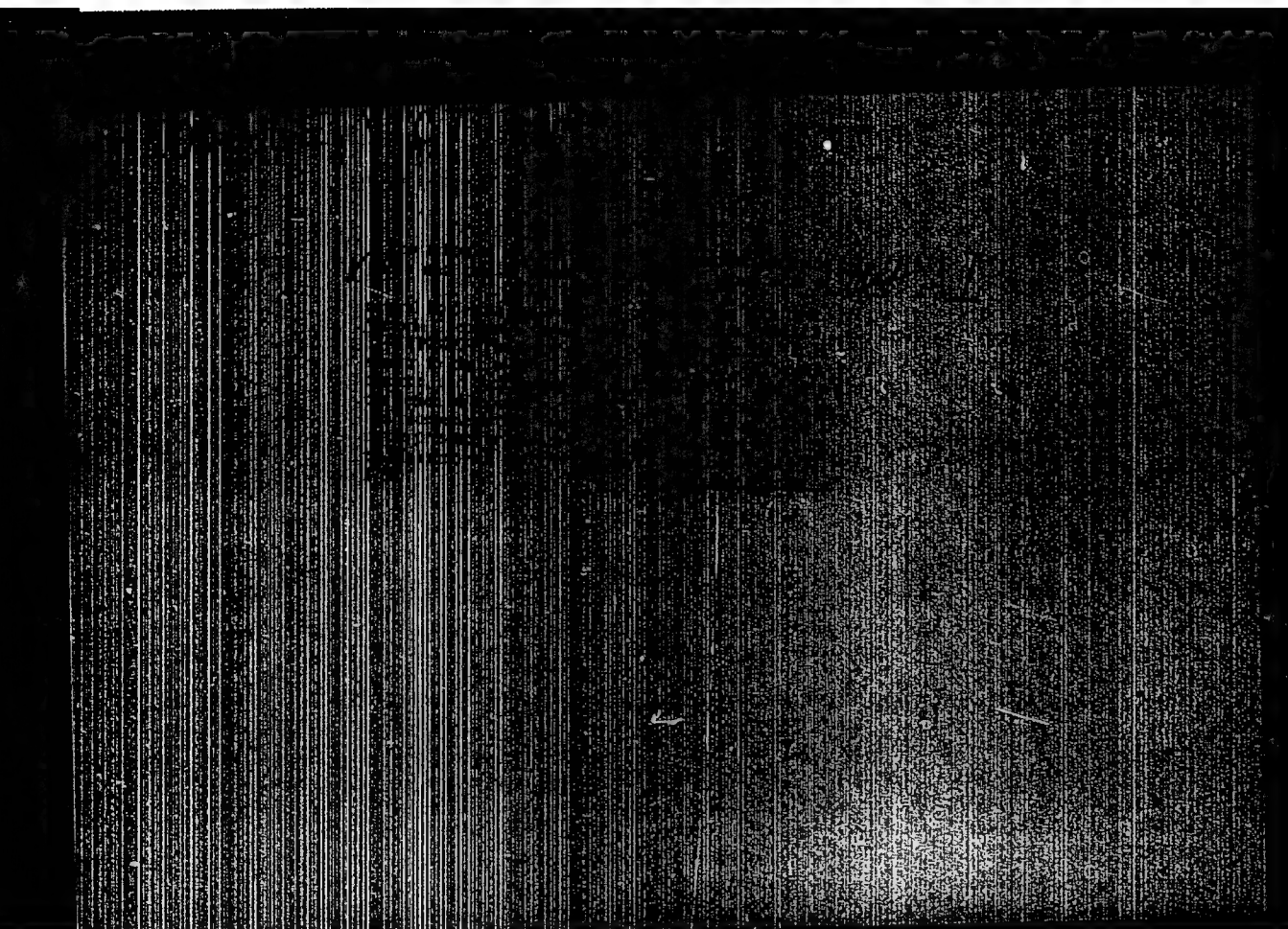
Card 1/3

GHEORGHE, Vasilica

Quantitative aspects of functional properties of the materials  
for bearings. Metalurgia constr mas 14 no.6:530-534 Jo '62.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515010016-2



APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515010016-2"



GEORGE, Viktoria [Gheorghe, Victoria]

Exosmosis of the electrolytes of wheat seed during vernalization.  
Rev chimie 5 no.1:151-155 '60. (EEAI 10:2)

1. Institut biokhimii Akademii RNR.  
(Osmosis) (Wheat) (Seed)  
(Vernalization) (Electrolytes)

TUCHEL, N.; ANTONESCU, Vasilica; GHEORGHE, Virginia; STEFANESCU, Felicia

Contributions to the study of drug stability. I. Stability of  
acetylsalicylic acid in solutions and suspensions. Rumanian mod.  
rev. no.2:90-94 '62.

(ACETYLSALICYCLIC ACID)

IONESCU, S.; CHERGHESCU, A.

Preliminary studies on the interface phenomena in  $\text{Cd}-\text{SO}_4$  Cd with the aid of cadmium 115 as a tracer. Studii cerc fiz 11 no.3:685-694 '60. (EEAI 10:2)

1. Institutul de fizica atomica Bucuresti.  
(Cadium) (Cadium sulfate) (Interfaces)  
(Tracers (Chemistry)) (Radioisotopes)

ANASTASESCU, Gh., Dr.; POPA, N., dr.; GHEORGHESCU, B., dr.; MATHESCU, R., dr.

Verification of the diagnosis of focal infection by intradermoreaction using material from the site of infection; desensitisation therapy with tonsillar implant in tonsillectomized patients. Med. int., Bucur. 9 no.1:94-97 Jan 57.

(FOCAL INFECTION, diagnosis

intradermoreaction, using material from site of infect.)

(TONSILS, diseases

focal infect., diag., intradermoreaction using material from site of infect.)

KOPPICH, F., Conf.; BLANC, G., dr.; GHIDORGHESCU, B., dr.

Study of certain nervous manifestations of the hepatic disease, hepato-portal encephalopathy. Med. int., Bucur. 9 no.2:254-264 Feb 57.

1. Lucrare efectuata in Clinica a V-a medicala I.M.F., Bucuresti.

(LIVER DISEASES

hepatic coma, pathogen. & ther., glutamic acid)

(COMA

hepatic, pathogen. & ther., glutamic acid)

(GLUTAMATES, ther. use

glutamic acid in hepatic coma)

(CENTRAL NERVOUS SYSTEM, diseases

hepato-portal encephalopathy, with hepatic coma,  
pathogen. & ther.

TIGERMAN, T.; GEORGHESCU, B.; DULGERU, C.

Study of the evolution of chronic glomerulonephritis. Med. int., Bucur.  
9 no.8:1211-1222 Aug 57.

1. Incrare efectuata in Clinica medicala a Spitalului "Vasile Rosita"  
Director: prof. T. Spirchez.  
(GLOMERULONEPHRITIS  
chronic, evolution & ther.)

SPIRCHEZ, T.; OIANU, E.; GHEORGHESCU, E.

Clinical aspects of hydatid cyst of the liver. Med. J., Buch. 9 no.11:  
1701-1707 Nov 57.

1. Diagrama efectuata in Clinica a V-a Medicala, Spitalul "V. Roaita".

(LIVER DISEASES

echinococcosis, pathol. & case reports)

(ECHINOCOCCOSIS

liver, pathol. & case reports)

SPIRCHIZ, T., prof.; GHEORGHESCU, B.; MERCULIEV, B.; VOICULET, N.;  
CONSTANTINESCU, S.; STOICHITA, S.; DULGHERU, C.; TACORIAN, S.;  
RUSSU, H.

A study by means of radioactive isotopes of the blood volume and of  
the exchanged between the peritoneal cavity and the blood in cirrhosis.

Rumanian M Rev. no.2:15-18 Ap-Je '60.

(LIVER CIRRHOSIS complications)

(BLOOD VOLUME)

(ASCITES etiology)



SPIRCHEZ, T.; GHEORGHESCU, B.; BRASLA, I.; MERCULIEV, E1.; VASILESCU, V. V.

Considerations on the study of protein metabolism in chronic hepatitis with iodated (I-131) human serum albumin. Stud. cercet. med. intern. 2 no.5:663-670 '61.

(HEPATITIS metabolism) (PROTEINS metabolism)  
(LIVER metabolism) (IODINE radioactive)

VICIU, E., dr.; ARSENESCU, Gh., dr.; RUSU, M., dr.; DULBERU, Carmen, dr.;  
BREASLA, I., dr.; GHEORGHESCU, B., dr.; TACOLAN, S., dr.

Investigations of cardiovascular disorders in patients with portal  
cirrhosis with ascites. Med. inter., Bucur 13 no.3:389-399 Mr '61.

1. Lucrare efectuata in Clinica a V-a medicala, Spitalul "Vasile  
Roaita" I.M.F., Bucuresti, director prof. T.Spirchez.

(LIVER CIRRHOSIS complications) (ASCITES complications)  
(CARDIOVASCULAR DISEASES)

SPINCHER, T., prof.; BRASLA, I., dr.; GHILORGHESCU, M., dr.; BANDU, L., dr.

Considerations on a case of malabsorption. Med int m., Icar 13  
no.4:589-598 Ap '61.

1. Lucrare efectuata in Clinica V-a medicala a Spitalului "Vasile  
Doaita".

(SPRU case reports)

SPIRCHESZ, T., prof.; STOICHITA, S., dr.; GHEORGHESCU, B., dr.; BROSTEANU, E.,  
dr.; MARINESCU, Eliza, dr.; TACORIAN, S., dr.; RUSSU, M., dr.;  
STECLACI, A., ing.; MECULIEV, Elena, fiziciana; BUSNEAG, C., chim.;  
VASILESCU, V., fiz.; STOICA, M.

Contributions to the etiopathogenesis of the early postprandial  
syndrome in gastrectomized patients. Med. inter., Bucur 13 no.5:  
749-758 My '61.

(GASTRECTOMY complications)

SPIRCHEZ, T., prof.; GHEORGHESCU, B.; OPROIU, Al.; REBEDEA, D.; MERCULIEV, E.;  
VASILESCU, V.V.

Clinical considerations on chronic pancreatitis and the diagnostic  
value of radioactive fats. Rumanian med. rev. no.8:31-35 '62.  
(PANCREATITIS) (FATS) (RADIOMETRY)

1. 1970-1971, 1972.

2. 1973-1974, 1975-1976, 1977-1978, 1979-1980.

3. 1981-1982, 1983-1984, 1985-1986.

SPIRCHEZ, T., prof.; GHEORGHESCU, B., dr.; OPROIU, Al., dr.; REBEDEA, D., dr.;  
MERCULIEV, E., fizician; VASILESCU, V.V., fizician

Clinical considerations on chronic pancreatitis and the diagnostic  
value of radioactive fat substances. Med. intern. 14 no.4:403-408  
Ap '62.

(PANCREATITIS)	(IODINE ISOTOPES, DIAGNOSTIC)	(TRIOLEIN)
(OLEIC ACID)	(BLOOD LIPIDS)	(FECES)

SPIRCHES, T., prof.; GHEORGHESCU, B., dr.; VASILESCU, V.V., fizician;  
BRASLA, I., dr.; MERCULIEV, Elena, fizician; STECLACI, Adrian

The scintigraphic diagnosis of some chronic hepatic diseases. Med.  
intern. 14 no.4:475-484 Ap '62.

1. Lucrare efectuata in Clinica a V-a medicala a Spitalului "Vasile  
Rosita".

(LIVER DISEASES) (RADIOMETRY) (LIVER NEOPLASMS)  
(IODINE ISOTOPES, DIAGNOSTIC) (GOLD ISOTOPES) (ROSE BENGAL)



SPIRCHES, T., prof.; GHEORGHESCU, B., dr.; BREASLA, I., dr.;  
MERCULIEV, Elena, fiz.; VASILESCU, V.V., fiz.

Considerations on the metabolism of vitamin B 12 in gastrecto-  
mized patients. Med. intern. 15 no.6:649-652 Je '63.

1. Lucrare efectuata in Clinica medicala a Spitalului  
"V. Roaita", Bucuresti.

(POSTGASTRECTOMY SYNDROMES)  
(ANEMIA, PERNICIOUS)  
(VITAMIN B 12)  
(METABOLISM) (INTRINSIC FACTOR)

SPIRCHIZ, T., prof.; GHEORGHESCU, B., dr.; BRASIA, I., dr.;  
MERCULIEV, Elena, fiz.; VASILESCU, V.V., fiz.

Considerations on the metabolism of proteins (studied with  
radioiodinated serum albumin) in patients with postgastrectomy  
denutrition. Med. intern. 15 no.10:1153-1158 '63.

1. Lucrare efectuata in Clinica a V-a medicala a Spitalului  
"Vasile Roaita".

(POSTGASTRECTOMY SYNDROMES)  
(PROTEIN METABOLISM DISORDERS)  
(BLOOD PROTEIN DISORDERS)  
(SERUM ALBUMIN, RADIO-IODINATED)  
(RADIOMETRY)

SPIRCHES, T., prof.; GHEORGHESCU, B., dr.; MERCULIEV, Elena, fiz.;  
POPESCU, Mariana, dr.; PAVEL, D., dr.

The metabolism of vitamin B 12 in chronic hepatitis investi-  
gated with the aid of Co-58 labelled vitamin B 12. Med. intern.  
15 no.10:1185-1192 '62.

1. Lucrare efectuata in Clinica a V-a medicala "V. Roaita"  
(director: prof. T. Spirches).  
(HEPATITIS) (VITAMIN B12) (METABOLISM)  
(COBALT ISOTOPES) (RADIOISOTOPE SCANNING)

